

Chapter Three Test Outline

Properties of Quadratic Relations

- Identify Vertex, x intercepts, y intercept, optimum point, (max, min)
- equation of the axis of symmetry
- Role a, b and c in standard form

Factored Form of quadratics

$$y = a(x - r)(x - s)$$

- Identify r and s of a graph
- Creating Equations in Factored form
- Finding Vertex from Factored Form
- $s + r/2$

Expanding Factored Form (FOIL)

Creating Regression Equation of a Quadratic

- Calculator
- By Hand

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q. 1-8

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